

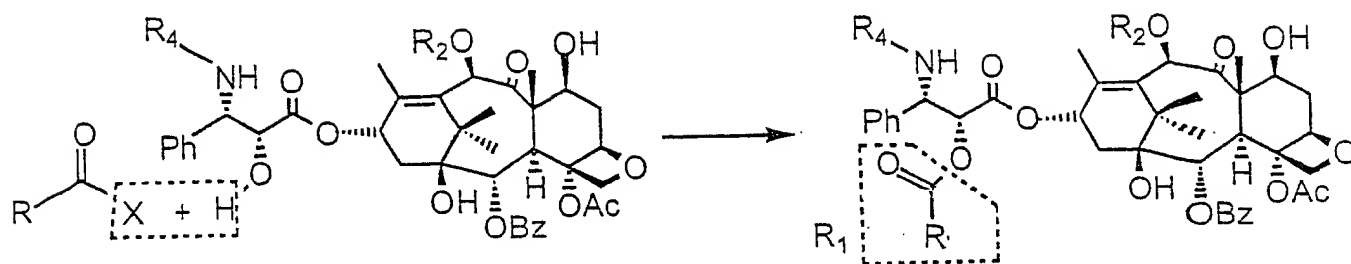
IN THE SPECIFICATION

Kindly amend the specification as indicated.

Page 14 under formula type IX, line 3, after, "R₅ is H or Me", insert-- Ac or Ph or Bz or--, and after "G₉" insert--G₁₀--, and under type X formula, line 10, after R₅ is H or Me or --, "Ac or Ph or Bz or-- and after "G₉ or insert--G₁₀--.

Delete pages 18, 19 and 20 and insert replacement pages 18, 19 and 20 as follows:

Reaction III



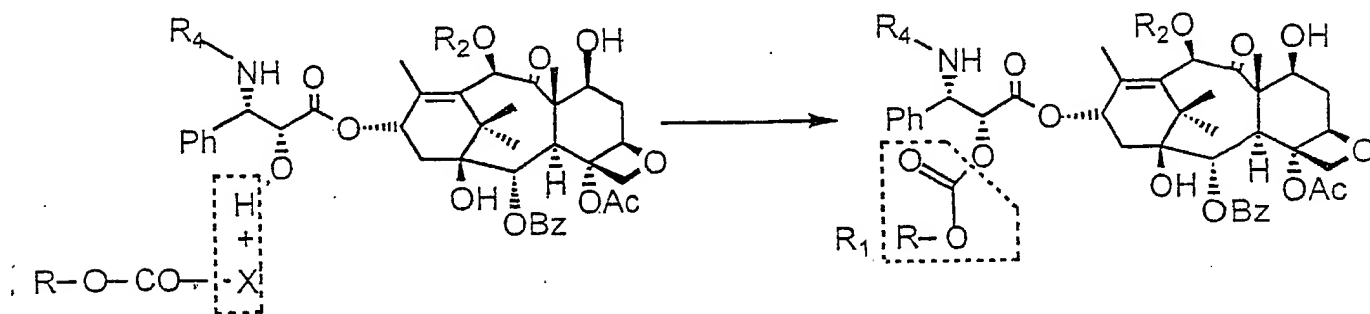
R_1 = Halogenated acyl Groups (see Table 1)

R_2 = Ac or H

R_4 = $PhCO$ or Me_3COCO or $CH_3CH = C(CH_3)CO$

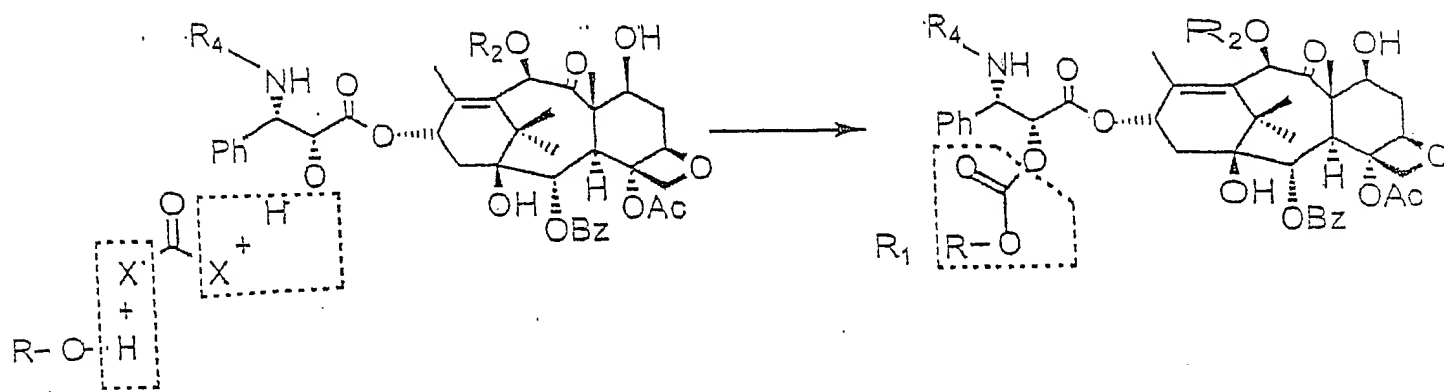
Reaction IV

Variant A



Reaction IV

Variant B



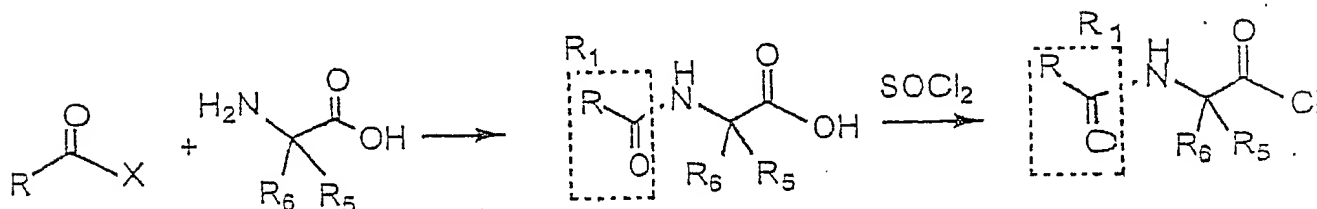
R_1 = Halogenated Alkyloxy- or Aryloxy-Carbonyl Groups

R_2 = Ac or H

(see Table 2)

R_4 = PhCO pr Me_3COCO or $\text{CH}_3\text{CH} = \text{C}(\text{CH}_3)\text{CO}$

Reaction V



R_1 = Halogenated acyl Groups

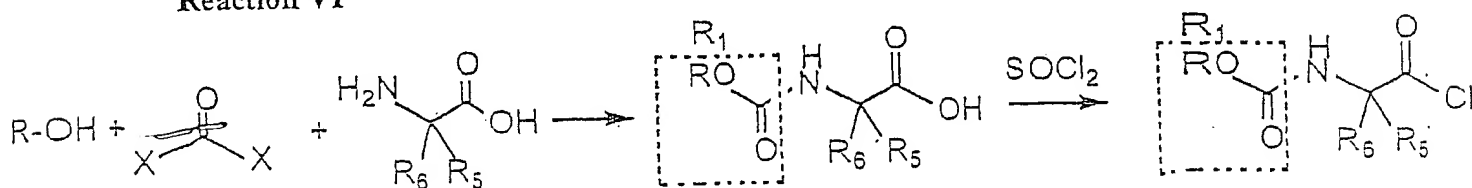
(see Table 1)

R_5 = H or Me or Ac or Ph or Bz or G_1 or G_2 or G_3 or G_4 or G_5 or G_6 or G_7 or G_8 or G_9 or G_{10} or G_{11} or G_{12} or G_{13}

(see Table 3)

R_6 = H or Me

Reaction VI



R_1 = Halogenated alkyloxy- or aryloxy-carbonyl Groups

(see Table 2)

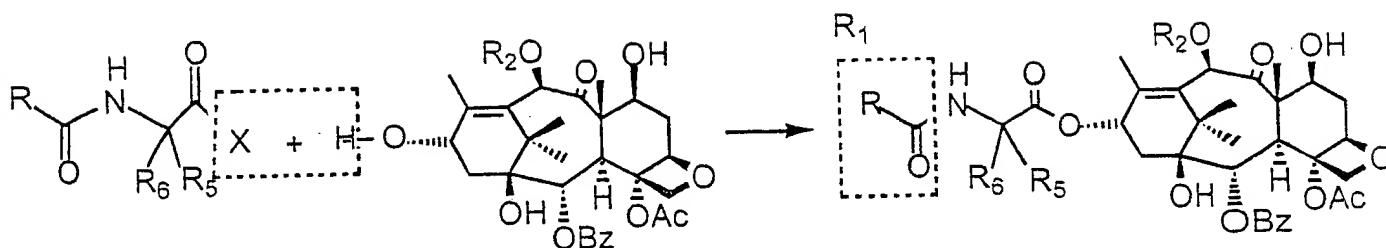
R_2 = Ac or H

R_5 = H or Me or Ac or Ph or Bz or G_1 or G_2 or G_3 or G_4 or G_5 or G_6 or G_7 or G_8 or G_9 or G_{10} or G_{11} or G_{12} or G_{13}

(see Table 3)

R_6 = H or Me

Reaction VII



(see Table 1)

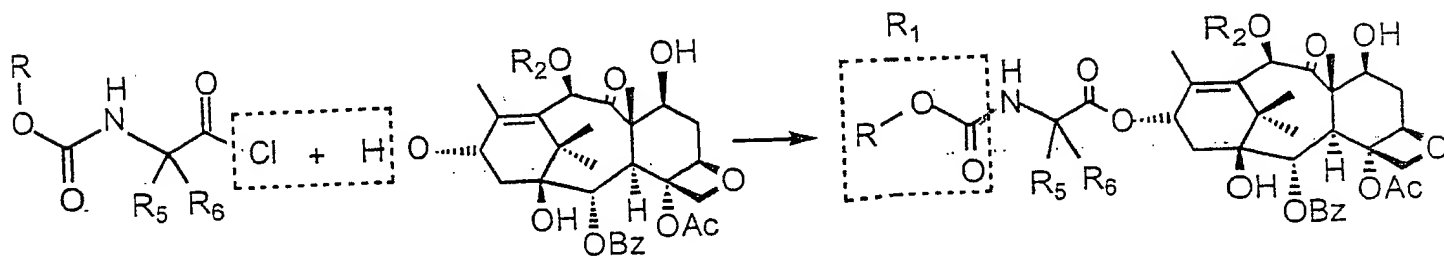
R_1 = Halogenated acyl Groups

R_2 = Ac or H

R_5 = H or Me or Ac or Ph or Bz or G_1 or G_2 or G_3 or G_4 or G_5 or G_6 or G_7 or G_8 or G_9 or G_{10} or G_{11} or G_{12} or G_{13}

R_6 = H or Me

Reaction VIII



(see Table 2)

R_1 = Halogenated alkyloxy-or aryloxy-carbonyl Groups

R_2 = Ac or H

R_5 = H or Me or Ac or Ph or Bz or G_1 or G_2 or G_3 or G_4 or G_5 or G_6 or G_7 or G_8 or G_9 or G_{10} or G_{11} or G_{12} or G_{13}

R_6 = H or Me

Page 24 lines 4, delete “N-(2,4-dibromophenoxy) carbonyl-N-debenzoyl-cephalomannine and line 5 insert in place N-(2,4-dibromophenoxy) carbonyl-N-detygloyl-cephalomannine”, and on line 12, delete “N-debenzoyl-cephalomannine” and insert in place—“N-detygloyl-cephalomannine” and on lines 15-16, delete “N-debenzoyl-cephalomannine” and insert in place--N-detygloyl-cephalomannine--.

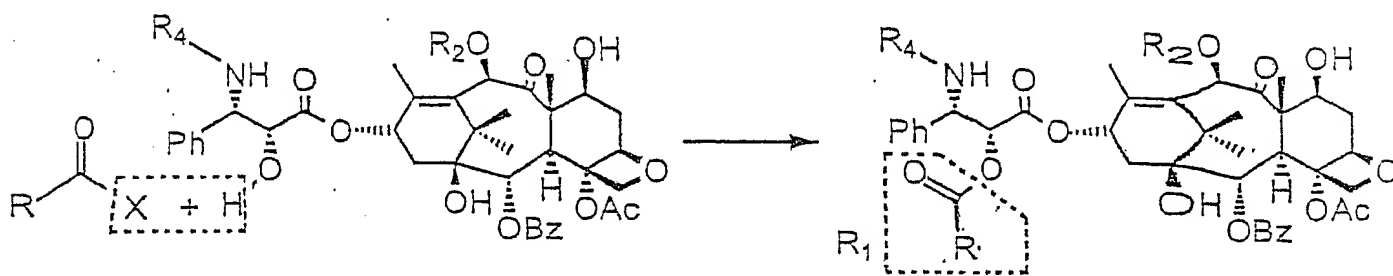
Page 25, lines 3-4, delete “N-(2,4-dibromophenoxy), carbonyl-N-debenzoyl cephalomannine”, and insert in place--N-(2,4-dibromophenoxy) carbonyl-N-detygloyl cephalomannine--, lines 8-9, delete “N-(2,4-dibromoethoxy) carbonyl-N-debenzoyl-cephalomannine” and insert in place-, N-(2,4-dibromoethoxy) carbonyl-N-detygloyl-cephalomannine--, on line 11, delete N-debenzoyl-cephalomannine” and insert in place--N-detygloyl-cephalomannine--, and on the penultimate line delete “debenzoyl” and insert in place—detygloyl--.

Delete page 26, and insert in place replacement page 26 as follows:

5.9 g of white crystalline product (yield 65%) are obtained.

SYNTHESIS OF COMPOUND OF TYPE III

Halogenated analogs of paclitaxel of the general structure of Type III can be prepared by the following synthetic route:



Where R_1 is a halogenated or dihalogenated acyl group selected

From Table 1, groups 1-40,

R_2 is Ac or H,

and R_4 is PhCO or Me_3COCO or $\text{CH}_3\text{CH}=\text{C}(\text{CH}_3)\text{CO}$;

EXAMPLE 4

The reaction scheme of Type III compounds is exemplified by 2'-O- [(2,3-dichloro-3-phenyl)-propanoyl]-paclitaxel which can be prepared as follows:

8.53 g (0.010 M) paclitaxel is dissolved in 200 ml DE.

The mixture is stirred and cooled in an ice bath to 0°C for about 1 hour.

During the stirring at 0°C , to this solution is added dropwise 5.94 g (0.025 M) 2, 3-dichloro-3 phenyl-propanoyl chloride dissolved in 25 ml DE, and the stirring continued 5 hours at the same temperature.

Page 31, last line, delete "N-debenzoyl—cephalomannine" and insert in place--N-detygloyl-cephalomannine--.

Page 32, first line, delete "N-(2"-bromo-3"-methyl)-butanoyl-N-debenzoyl, " and insert in place N-(2"-bromo-3"-methyl)-butanoyl-N-detygloyl--; and third line from the bottom, delete "2'(2-bromo-ethoxy-carbonyl) N-debenzoyl-cephalomannine" and insert in place—2'-(2-bromo-ethoxy-carbonyl)-N-detygloyl-cephalomannine--.

Page 33, fifth line from the bottom after " , Me or " insert in place--Ac or Ph or Bz or --; and forth line from the bottom, after "G₉ or" insert—G₁₀--.

Page 34, fourth line from the bottom, after "Me or", insert --Ac or Ph or Bz or--.